Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (**Currently Amended**) A digital telecommunication station operative in a telecommunication network, the network comprising at least two different transmission paths between said telecommunication station and at least one other element in the network, each path comprising a different link between said telecommunication station and the at least one other element in the network, the telecommunication station comprising:

at least one detector operative to receive at least two different types of signals, each associated with a different class of quality of service and to distinguish, for each received signal in its entirety, the type of signal to which it belongs;

at least one switch controlled by one of said at least one detector, operative to channel signals received in accordance with the distinction made by said at least one detector;

a first transmission means operative to transmit received signals along a first one of said at least two different transmission paths,

wherein, responsive to the channeling by said at least one switch, signals of at least one other type selected from among said at least two different types of signals

and associated with ~~a service that requires~~ a lower class of quality of service are diverted from the first transmission path; and

a second transmission means operative to transmit the diverted signals along a second one of said at least two different transmission paths.

2. (**Previously Presented**) A digital telecommunication station according to Claim 1, further comprising a storage capable of storing diverted signals of said at least one type of signals.

3. (**Original**) A digital telecommunication station according to Claim 1, further comprising at least two different pairs of compressing/decompressing devices.

4. (**Original**) A digital telecommunication station according to Claim 1, wherein said signals of the at least one type to be diverted are facsimile signals.

5. (**Original**) A digital telecommunication station according to Claim 4, further comprising a device for demodulating/re-modulating said facsimile signals.

6. (**Original**) A digital telecommunication station according to Claim 5, wherein said demodulating/re-modulating device comprises facsimile signal demodulator/re-modulator and forward error correction apparatus wherein the forward error correction apparatus is operative to protect the output of the facsimile demodulator.

Claim 7 (**Cancelled**).

8. (**Previously Presented**) A digital telecommunication station according to Claim 3 and further comprising:

first identifier for determining whether the signals received are of a digital compressed form;

second identifier for determining whether the transmission path along which the signals will be transmitted includes at least one further operative means adapted for decompressing the signals when being transmitted in their compressed form;

third transmission means operative in response to a determination made by the second identifier that the transmission path does not include at least one further operative means configured to decompress the signals when being transmitted in their compressed form; and

fourth transmission means operative in response to a determination made by the second identifier that the transmission path does include at least one further operative means configured to decompress the signals being transmitted in their compressed form into the decompressed digital output signals.

9. (**Original**) A telecommunication system comprising:

at least one transmitter at at least a first end of the transmission network;

at least one receiver at at least a second end of the transmission network; and

at least one digital telecommunication station of Claim 1.

10. (**Original**) A telecommunication system comprising:

at least one transmitter at at least a first end of the transmission network;

at least one receiver at at least a second end of the transmission network; and

at least one pair of digital telecommunication stations of Claim 3.

11. (**Original**) A telecommunication system according to Claim 10, wherein at least one pair of telecommunication stations is selectively operated.

12. (**Original**) A telecommunication system according to Claim 9, wherein said at least one of digital telecommunication station is capable of establishing a communication connection with more than two digital communication stations.

13. (**Previously presented**) A method for transmission of telecommunication signals of at least two different types each associated with a different class of quality of service between a telecommunication station and at least one other element in a network along at least two transmission paths, the transmission paths each comprising a link between the telecommunication station and the at least one other element, the method comprising:

i) determining to which of a plurality of types of signals each of the signals received belongs and distinguishing therefrom signals associated with at least one class of quality of service different from entire signals associated with at least one other class of quality of service;

ii) based on step i), diverting each entire signal associated with said at least one class of quality of service from a first one of the transmission paths along which each entire signal associated with at least one other class of quality of service is transmitted;

iii) transmitting the each entire signal of the at least one other class of quality of service along the first one of the transmission paths; and

iv) transmitting each entire diverted signal along a second one of the transmission paths.

14. (**Previously presented**) A method according to Claim 13, wherein the diverted signals are stored and transmitted at a later stage via said first one of the transmission paths.

15. (**Previously presented**) A method according to Claim 14, wherein the diverted signals are stored in a storage means prior to their transmittal along the second one of the transmission paths.